

PUMPS

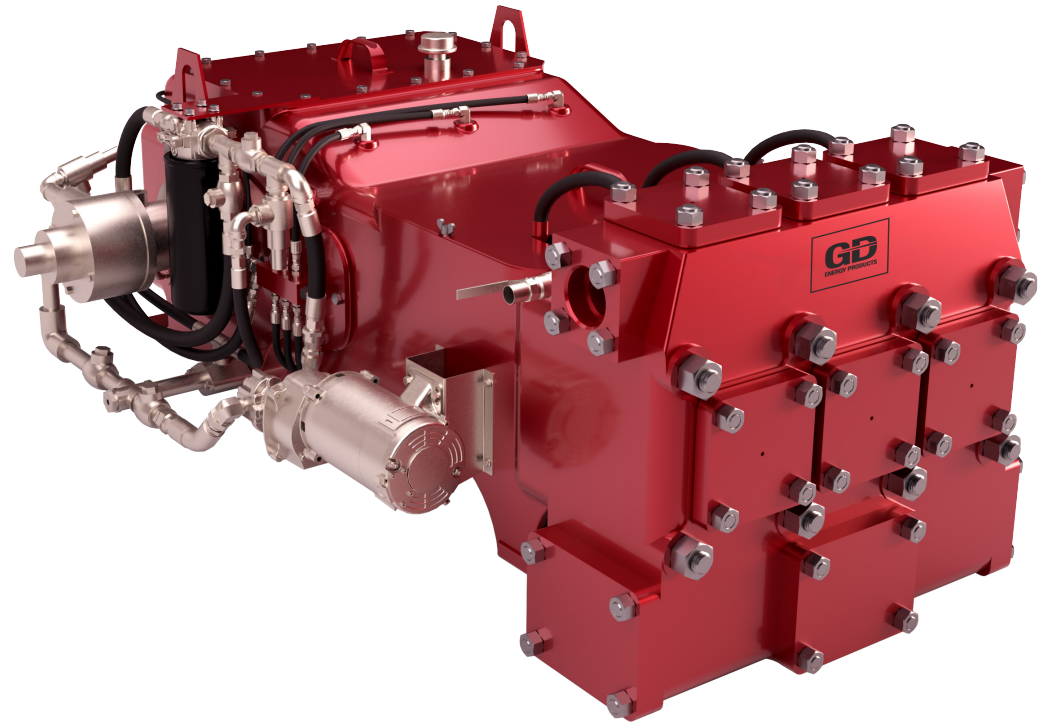
GD 250HDD

HORIZONTAL DIRECTIONAL DRILLING PUMP

Built on GD Energy Products' legacy of product innovation in pumping technology, the GD 250HDD pump is designed to serve a wide variety of HDD applications. A high rod load makes the pump rugged and durable, while a significantly reduced RPM allows the pump to deliver fewer strokes and extend consumable life.

SPECIFICATIONS

Output Flow	460 GPM
Maximum Pressure	3000 PSI
Maximum RPM	300 RPM
Number of Plungers	3
Stroke Length	5" (12.7cm)
Weight without GB	3,937 lb (1,786 kg)
Brake Horsepower (BHP)	250
Rod Load	50,000 lb (22,600 kg)
Dimensions without GB	67.3"L x 54.09"W x 29"H



PISTON DIAMETER		DISPLACEMENT PER REVOLUTION		DISPLACEMENT @PUMP RPM				DISPLACEMENT @PUMP RPM				DISPLACEMENT @PUMP RPM				DISPLACEMENT @PUMP RPM			
				50				100				200				300			
in.	mm.	Gal/Rev.	Liter/Rev.	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar	GPM	LPM	PSI	bar
Forged Steel Autofrettaged High Pressure Valve Over Valve Fluid Ends																			
4	102	0.82	3.09	41	154	1300	90	82	309	1300	90	163	618	1300	90	245	927	1300	90
4.5	114	1.03	3.91	52	195	1300	90	103	391	1300	90	207	782	1300	90	310	1173	1245	86
5	127	1.27	4.83	64	241	1300	90	127	483	1300	90	255	965	1300	90	382	1448	1008	70
5.5	140	1.54	5.84	77	292	1300	90	154	584	1300	90	309	1168	1250	86	463	1752	833	57
INPUT POWER				65				130				250				250			
				48				97				186				186			

A lubrication system supplying oil at 50 psi, 12 gpm and 200 SUS (44cSt) minimum values is required. Oil cooling recommended and may be required to maintain these values.

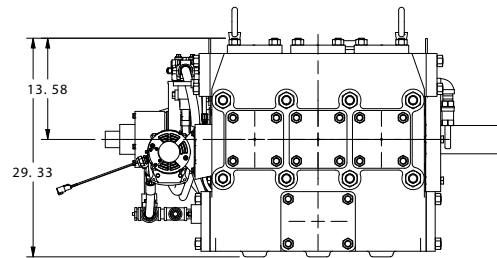
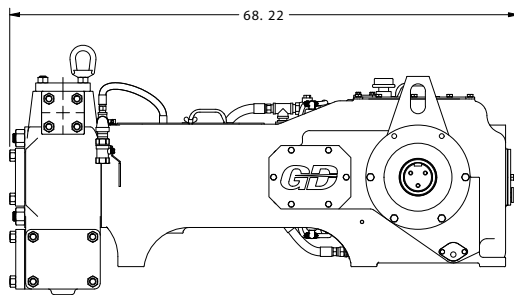
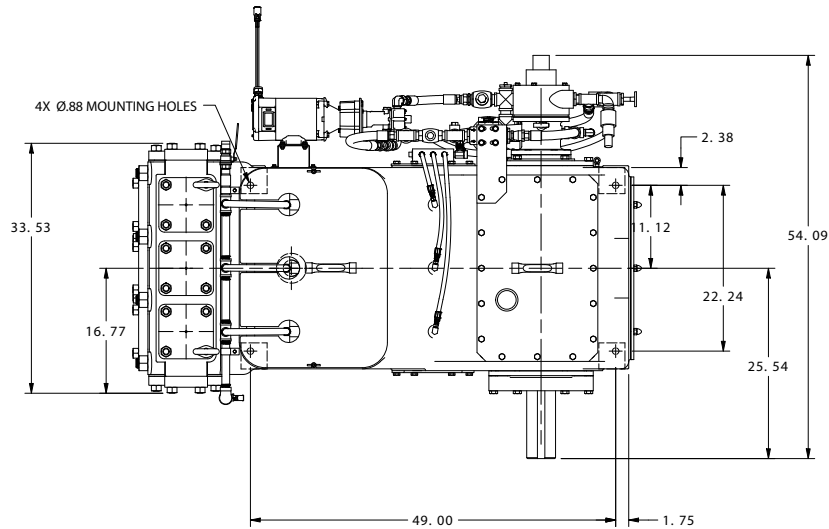
Performance figures based on 100% volumetric efficiency and 90% mechanical efficiency. For continuous duty applications, reduce rodload to 40% with planetary gear boxes. These figures are for use in directional drilling duty cycle.



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SPECIFICATIONS



STANDARD FEATURES

- Featuring GD Energy Products' industry leading Redline Consumables for extended maintenance intervals
- Full cast ductile iron frame fluid end offers superior strength
- Large valve cover access panels for easy valve change outs
- All parts 100% made in the USA, guaranteeing build quality and reliability in the field
- Upgraded internal components and seal housing prevent contamination
- Coated crankshaft bearings to extend power end life
- Next generation fluid end technology with innovative geometry to minimize stress
- Left or right side suction and discharge connections
- Left or right handed keyed shaft extension
- Pressure lubricated power end
- Clamp style connections between piston rod and crosshead extensions
- Rod wash spray bar and baffles
- Multiple Drive Options:
 - Planetary gearbox options available